ABSTRACT

A system and method provide enhanced services for a call that is transported from a communication device through an asynchronous transfer mode system. The call has user communications in asynchronous transfer mode cells and call signaling. A signaling processor receives the call signaling and processes the call signaling to determine a connection to a service platform. The signaling processor transports a processor control message designating the selected connection. An asynchronous transfer mode interworking unit receives the user communications from the communication device and the processor control message from the signaling processor. The asynchronous transfer mode interworking unit converts the user communications from the asynchronous transfer mode cells to a format compatible with the service platform and dynamically transports the user communications to the service platform in real time. The service platform processes the user communications. The reverse process can also take place with the dynamic transfer, in real time, of the processed user communications back to the communication device in asynchronous transfer mode cells that identify the connection to the communication device.